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PTO/SB/21 (08-03)

Approved for use through 08/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/813,177	
	Filing Date	03/29/04	
	First Named Inventor	Wei Gu	
	Art Unit	1646	
	Examiner Name	to be assigned	
Total Number of Pages in This Submission	19	Attorney Docket Number	5199-178

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
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<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below):
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<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Todd Holmbo, Reg. No. 42,665
Signature	
Date	01/05/05

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Ping Xiao		
Signature		Date	01/05/05

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Wei Gu and Muyang Li Docket No.: 5199-178
Serial No.: 10/813,177 Examiner: to be assigned
Filed: March 29, 2004 Group Art Unit: 1646
Title: HAUSP-DMD2 INTERACTION AND USES THEREOF

January 5, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.97(b)

Sir:

In accordance with the duty of disclosure under 37 CFR §1.56, applicant hereby notifies the U. S. Patent and Trademark Office of the following documents, which are listed on the attached PTO/SB/08B form. The examiner may deem these documents to be relevant to patentability of the claims of the above-identified application.

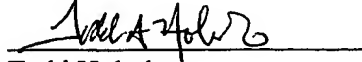
The submission of the listed documents is not intended as an admission that any of the documents constitute prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Applicants respectfully request that the listed documents be considered by the examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08B be returned in accordance with MPEP §609.

It is understood that no fee is necessary for submission of this Information Disclosure Statement, because it is being filed before the later of three months from the filing date or the mailing of the first Office Action on the merits.

The Commissioner is hereby authorized to charge payment of any fees associated with this application or credit any overpayment to Deposit Account No. 02-4270.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Todd Holmbo", is written over a horizontal line.

Todd Holmbo

Reg. No. 42,665

Attorney for Applicants

BROWN RAYSMAN MILLSTEIN

FELDER & STEINER LLP

163 Madison Avenue

P.O. Box 1989

Morristown, New Jersey 07962-1989

Telephone No. 973.775.8930

Facsimile No. 973.775.8901



PTO/SB/08B (08-03)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/813,177
Filing Date	03/29/04
First Named Inventor	Wei Gu
Art Unit	1646
Examiner Name	to be assigned
Attorney Docket Number	5199-178

Sheet 1 of 16

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Appella and Anderson, Signaling to p53: breaking the posttranslational modification code.	
		Pathol. Biol. (Paris), 48:227-45, 2000	
		Ashcroft et al., Regulation of p53 function and stability by phosphorylation.	
		Mol. Cell Biol., 19:1751-58, 1999	
		Ashcroft et al., Stress signals utilize multiple pathways to stabilize p53.	
		Mol. Cell Biol., 20:3224-33, 2000	
		Ashcroft and Vousden, Regulation of p53 stability.	
		Oncogene, 18:7637-43, 1999	
		Barak et al., mdm2 expression is induced by wild type p53 activity.	
		EMBO J., 12:461-68, 1993	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10/813,177
		Filing Date	03/29/04
		First Named Inventor	Wei Gu
		Art Unit	1646
		Examiner Name	to be assigned
Sheet 2	of 16	Attorney Docket Number	5199-178

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Beers and Berkow (eds.), The Merck Manual of Diagnosis and Therapy, 17th ed. (Whitehouse Station, NJ: Merck Research Laboratories, 1999)	
		973-74, 976, 986, 988, 991 (N/A)	
		Blattner et al., DNA damage induced p53 stabilization: no indication for an involvement of p53 phosphorylation.	
		Oncogene, 18:1723-32, 1999	
		Bodansky, M., Principles of Peptide Synthesis (New York: Springer-Verlag New York, Inc., 1984	
		Botchkarev et al., p53 is essential for chemotherapy-induced hair loss.	
		Cancer Res., 60:5002-02, 2000	
		Brooks and Gu, Ubiquitination, phosphorylation and acetylation: the molecular basis for p53 regulation.	
		Curr. Opin. Cell Biol., 15:164-71, 2003 (N/A)	

Examiner Signature		Date Considered	
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This collection of information is required by 37 CFR 1.90. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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		Filing Date	03/29/04		
		First Named Inventor	Wei Gu		
		Art Unit	1646		
		Examiner Name	to be assigned		
Sheet	3	of	16	Attorney Docket Number	5199-178

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Chen et al. (Mapping of the p53 and mdm-2 interaction domains.	
		Mol. Cell. Biol., 13:4107-14, 1993	
		Chung and Baek, Deubiquitinating enzymes: their diversity and emerging roles.	
		Biochem. Biophys. Res. Commun., 266: 633-640, 1999	
		D'Andrea and Pellman, Deubiquitinating enzymes: a new class of biological regulators.	
		Crit. Rev. Biochem. Mol. Biol., 33:337-52, 1998	
		de Graaf et al., Hdmx protein stability is regulated by the ubiquitin ligase activity of Mdm2.	
		J. Biol. Chem., 278:38315-324, 2003	
		Donehower et al., Mice Deficient for p53 are developmentally normal but susceptible to spontaneous tumours.	
		Nature, 356:215-21, 1992	

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		Application Number	10/813,177
		Filing Date	03/29/04
		First Named Inventor	Wei Gu
		Art Unit	1646
		Examiner Name	to be assigned
Sheet 4	of 16	Attorney Docket Number	5199-178

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Dumaz and Meek, Serine15 phosphorylation stimulates p53 transactivation but does not directly influence interaction with HDM2.	
		EMBO J., 18:7002-10, 1999	
		el-Deiry et al., WAF1, a potential mediator of p53 tumor suppression.	
		Cell, 75:817-825, 1993	
		Everett et al., A novel ubiquitin-specific protease is dynamically associated with the PML nuclear domain and binds to a herpesvirus regulatory protein.	
		EMBO J., 16:566-77, 1997	
		Finch et al., Mdmx is a negative regulator of p53 activity in vivo.	
		Cancer Res., 62:3221-225, 2002	
		Freedman et al., Functions of the MDM2 oncoprotein.	
		Cell Mol. Life Sci., 55:96-107, 1999	

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		Art Unit	1646
		Examiner Name	to be assigned
Sheet 5	of 16	Attorney Docket Number	5199-178

NON PATENT LITERATURE DOCUMENTS			
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		Giaccia and Kastan, The complexity of p53 modulation: emerging patterns from divergent signals.	
		Genes Dev., 12:2973-83, 1998	
		Gu et al., Mutual dependence of MDM2 and MDMX in their functional inactivation of p53.	
		J. Biol. Chem., 277:19251-254, 2002	
		Gu et al., Synergistic activation of transcription by CBP and p53.	
		Nature, 387:819-23, 1997	
		Haupt et al., Mdm2 promotes the rapid degradation of p53.	
		Nature, 387:296-99, 1997	
		Hemann et al., An epi-allelic series of p53 hypomorphs created by stable RNAi produces distinct tumor phenotypes in vivo.	
		Nat. Genet., 33:396-400, 2003 (N/A)	

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Sheet 6	of 16	Attorney Docket Number	5199-178

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Hengstermann et al., Complete switch from Mdm2 to human papillomavirus E6-mediated degradation of p53 in cervical cancer cells.	
		Proc. Natl. Acad. Sci. USA, 98:1218-23, 2001	
		Hershko et al., The ubiquitin system.	
		Nat. Med., 6:1073-81, 2000	
		Hicke and Dunn, Regulation of membrane protein transport by ubiquitin and ubiquitin-binding proteins.	
		Annu. Rev. Cell Dev. Biol., 19:141-72, 2003	
		Hollstein et al., Database of p53 gene somatic mutations in human tumors and cell lines.	
		Nucleic Acids Res., 22:3551-55, 1994	
		Hollstein et al., New approaches to understanding p53 gene tumor mutation spectra.	
		Mutat. Res., 431:199-209, 1999	

Examiner Signature		Date Considered	
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Sheet 7	of 16	Attorney Docket Number	5199-178

NON PATENT LITERATURE DOCUMENTS			
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		Holowaty et al., Protein interaction domains of the ubiquitin-specific protease, USP7/HAUSP.	
		J. Biol. Chem., 278: 47753-47761, 2003	
		Holowaty et al., Protein profiling with Epstein-Barr nuclear antigen-1 reveals an interaction with the herpesvirus-associated ubiquitin-specific protease HAUSP/USP7.	
		J. Biol. Chem., 278:29987-994, 2003	
		Honda et al., Oncoprotein MDM2 is a ubiquitin ligase E3 for tumor suppressor p53.	
		FEBS Lett., 420:25-27, 1997	
		Jones et al., Rescue of embryonic lethality in Mdm2-deficient mice by absence of p53.	
		Nature, 378:206-08, 1995	

Examiner Signature		Date Considered	
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Sheet 8	of 16	Attorney Docket Number	5199-178

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		Kamijo et al., Tumor suppression at the mouse INK4a locus mediated by the alternative reading frame product p19ARF.	
		Cell, 91:649-59, 1997	
		Kastan et al., A mammalian cell cycle checkpoint pathway utilizing p53 and GADD45 is defective in ataxia-telangiectasia.	
		Cell, 71:587-97, 1992	
		Kawai et al., DNA damage-induced MDMX degradation is mediated by MDM2.	
		J. Biol. Chem., 278:45946-953, 2003	
		Kornitzer and Ciechanover, Modes of regulation of ubiquitin-mediated protein degradation.	
		J. Cell. Phys., 182:1-11, 2000	
		Kubbutat et al., Regulation of p53 stability by Mdm2.	
		Nature, 387:299-303, 1997	

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		Filing Date	03/29/04
		First Named Inventor	Wei Gu
		Art Unit	1646
		Examiner Name	to be assigned
Sheet 9	of 16	Attorney Docket Number	5199-178

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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		Prives and Hall, The p53 pathway.	
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		Sherr and Webber, The ARF/p53 pathway.	
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